



The Atmosphere - Review Questions

1. The gas which comprises most of the atmosphere is:
 - a. Oxygen
 - b. Carbon
 - c. Nitrogen
 - d. Helium

2. The layer of the atmosphere where most of the world's weather occurs is:
 - a. Stratosphere
 - b. Troposphere
 - c. Hemisphere
 - d. Thermosphere

3. The boundary between the troposphere and stratosphere is called the:
 - a. tropopause
 - b. stratopause
 - c. mesopause
 - d. tempopause

4. The tropopause is highest at the north and south poles. (TRUE, FALSE)

5. It is _____ (easier/harder) to breath on top of Mount Whitney (elevation 14,494 ft/4418 m) than at sea level because there is _____ (less/more) oxygen molecules at the summit.

6. Moist air weighs less than dry air. (TRUE, FALSE)

7. You notice on a barometer that air pressure has been decreasing rapidly. The type of weather that would normally be expected to occur would be:
 - a. Fog
 - b. Drizzle
 - c. Clear skies
 - d. Thunderstorms

8. If you feel the heat in the handle of a cooking pot, that heat was transferred to the handle by:
 - a. Radiation
 - b. Convection
 - c. Conduction

9. A sunburn is caused by which method of heat transfer:
- Radiation
 - Convection
 - Conduction
10. Light colored objects absorb radiation _____ (faster/slower) and emit radiation _____ (faster/slower) than dark colored objects.
11. At night, temperatures will normally be higher under cloudy skies than under clear skies. (TRUE, FALSE)
12. The hydrologic cycle is:
- Evaporation, condensation, precipitation
 - Convection, conduction, condensation
 - Rain, sunshine, condensation
13. The brief cloud that forms when you exhale on a cold winter day was formed because of:
- Evaporation
 - Condensation
 - Precipitation
 - Runoff
14. There is more water in the atmosphere than in glaciers & icecaps. (TRUE, FALSE)